

124  
Atomic Energy and its Role in Technological  
Progress, by A. P. Aleksandrov, 26 pp.  
RUSSIAN, per. ~~English~~, Moscow, Jan 1969,  
pp 14-24.  
JPRS 47806

*A. P. Aleksandrov*

Sci-Tech Sci & Tech  
May 69

378,444

A. Ya. Aleksandrov

Some problems in the calculation of sandwich panels  
close-packed conical shells and honeycombs and fillers.  
14 pp.

RUSSIAN, Trudy vsesoyuznoy konferentsii po teorii  
obolochek i plastin 7th, Dnepropetrovsk, 1969, pp 38-45  
AKR/PTD-47-34-1983 1732-71

sept 72

sept 72

**Investigation of Inelastic Problems by  
Reproduction of the Deformation History, by  
A. Ya. Aleksandrov.**

**RUSSIAN, per, Dokl Akad Nauk SSSR, Vol 186, No 1,  
May 1969, pp 58-61.**

**The Am Inst of Phys  
Vol 14, No 5, Nov 1969**

*Investigation of Inelastic Problems by  
Reproduction of the Deformation History*

**Jan 69**

**398,939**

Strength Stability Vibrations, Volume 2, by  
A. Ya. Aleksandrov, S. A. Ambartsumyan. 527 pp.  
RUSSIAN, bk, Prochnost' Ustoychivost' Kolebaniya, 1968  
pp 1-463  
AIR/FTD-IC-23-598-69

*A. Ya. Aleksandrov*

MAR 71

104

Study of Elastoplastic Deformation  
of Shells With Openings and Reinforce-  
ments by the Method of Photoelastic  
Coverings, by I. Ya. Aleksandrov,  
M. Kh. Akhmetzyanov, 9 pp.

RUSSIAN, per, Prikladnaya Mekhanika,  
Vol 2, No 3, 1966, pp 1-9.

1100220968-7

110-55-67-421

*I. Ya. Aleksandrov*

Sci/Tech-Indus-Civil-Marine Engr  
Sep 66

364,285

*A. Ya. Aleksandrov*

The Solution of Asymmetrical and Certain  
Other Space Problems in the Theory of Elasticity  
by Means of Analytical Functions, by  
A. Ya. Aleksandrov. 30 pp.

RUSSIAN, rpt, International Symposium of Appli-  
cations of the Theory of Functions in Continuum  
Mechanics. Tbilisi, 1963. Fizmatgiz, Teori  
Funktsiy i Matematika Spetsialnyy Sbornik, Matematika

~~FRANCISCO V. DE LA CRUZ, BORN [REDACTED], [REDACTED]~~  
~~Francisco Dela Cruz, [REDACTED], 1965,~~  
~~pp 97-118.~~  
~~AIR/PTD/MT-24-15-71~~

**Sept 71**

Determination of Reduced Elastic Parameters  
of Ribbed Fillers, by A. Ia. Aleksandrov,  
26 pp.  
KIESIAA, pos. Leopoldy Eleonorov Aristolomich  
Leopoldov. Prekhodnyy Kanal i Obolochki.  
No 3, 1965, pp 5-27. P100267068-7  
PTD-T-24-172-67





optimum parameters of Sandwich Plates and  
Slightly Curved Shells with Filler from Non-  
reinforced and Reinforced Foamed Plastic  
Under Compression, by A. Ya. Aleksandrov,  
M. P. Gennova, 22 pp.

RUSSIAN, per. Russkoye Elementov Aviatransporta  
Konstruktsiy. Tekhnologiya Plastika i Obolochki.  
no 3, 1965, pp 42-58. F100287668-V  
PTD-S-24-172-67

sci/ptgs  
oct 68

36.954

ALEKSANDUR ALEKSANDROV

Problems of Uncontrolled Rentals Discussed,  
by Aleksandur Aleksandrov, 6 pp.

BULGARIAN, np, Pogled, Sofia, 24 Jan 72,

pp 1, 4.

JPRS 55733

Apr 72

Navigation in Space - Operation of the  
Command-Measurement Complex.

by Am. Alekxandrov, P. Arsen'ev.

RUSSIAN, np., Pravda, No. 307 (18720),

3 November 1969.

CIA X-7153

*see document*

Dec 69

398,818

Economic Relations among the Socialist Countries Are Growing Stronger, by B. Aleksandrov, 5

1 pp.

RUSSIAN, per, Kommunist Voorushchennykh Sil,

No 17, Sept 1966, pp. 40-45.

JPHE 314A

*B. Aleksandrov*

USSR

Econ

Jac 10

314,114

Alexander, E. L.

Geochemical Investigations in Deep-Well Drilling  
with Oil-Treated Drilling Fluids.  
SAKHKOVAYA SERTIFIKAT. No 43, 77 90-91, 1971.  
KID-72-14614-68

Feb 73

96  
Standard Spectrometric Alpha Sources (SSAS),  
by B. M. Aleksandrov, A. P. Bolintshiy, L. I.  
Berkovich, E. A. Volkova, B. M. Ziv, 25 pp.  
ITALIAN, rpt, NIST/TI, International Atomic  
Energy Agency, Symposium on Standardization  
of Radioisotopes, Vienna, 20-24 October 1966.  
F91180467  
AEC LA Tr-66-80

B. M. Aleksandrov

336,966

Sci - Physics  
Aug 67

95  
Technical Development of Computers Outlined,  
by B. V. Aleksandrov, 9 pp.  
RUSSIAN, per, ~~Primary i sistemy upravleniya~~  
No 10, 1967, pp 9-11.  
JPRS 43975

Sci-Electronics and  
Elec. Eng.  
Jan 68

347,386

A Method for Estimating the Supersaturation  
Accompanying Formation of the Liquid Phase in  
Clouds, by E. L. Aleksandrov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 5,  
1969, pp 1038-1041.  
AGI

July 70

E. L. ALEKSANDROV



Some Methodological Problems of Military Think-  
ing. by Col. G. Aleksandrov, 20 Col. V. Ivanov,  
14 pp. CONFIDENTIAL SO JOURNAL INTERNATIONAL  
MILITARY, 2001, 2001, No 11, Nov 1981.  
JPRS 872 0730/07

G. Aleksandrov

332,038

U.S.S.R.  
MIL  
Jul 78 07

THE

CRYSTALLITE AND POLYMERIZATION OF A  
( $\alpha$ -CYANO-2-VINYLBENZENE) WITH AN IONIC  
INITIATOR BY A TRANSITION METAL COMPLEX  
MURAKAMI, YUJI, KAWABATA, KAZUHIKO  
Vol. 12, No. 4, 1971, PP. 641-647  
NBS 72-12766-070

**Page 72**

Selection of Optimum Length of Cross Arms  
 of 750 kV Transmission Towers, by  
 G. M. Aleksandrov, V. K. Lashkov, in Tr.  
 Vsesoyuzn. nauch. iissled. i inzh.-st. No 3,  
 May-June 1975.  
 212/110 105970

G M Aleksandrov

Sci. - Tech., Industrial, Civil, and

Aviation

Sci. -

Aviation

212,000

G. N. Aleksandrov

Development and testing of reinforced plastic structures for aircraft mission lines.

RUSSIAN. Elektronika, Novosibirsk, No 12, 1971.

pp 52-53

KRA Trade 2385

doc 72

Effect of Humidity on the Flashover Voltages of 34  
Long Spark Gaps, by G. N. Aleksandrov.  
RUSSIAN, per, Soyuz Stantsiy, Vol 40, Aug 1960,  
pp 71-74.  
C. S. Trans. 3367

Sci-Elec  
Dec 70

Selecting the Suspension System for 330 kV and  
500 kV Transmission Line Conductors, by  
O. N. Aleksandrov, et al.  
RUSSIAN, per, ~~Elkt. Stantii~~, Vol 39, Oct 1968,  
pp 37-42.  
SOL Trans. 14951

*O. N. Aleksandrov*  
sci  
feb 71

Peculiarities of the Development of the  
Electric Breakdown of Air in Extremely Long  
Discharge Gaps, by G. N. Aleksandrov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183,  
No 5, December 1968, pp 1048-1051.  
The Am Inst Phys.  
Vol 15, No 12, June 1969

Aug 69

390,269

G N. Aleksandrov

I. ALEKSANDROV

Importance of Commander's Time Stessed, by  
I. Aleksandrov, 6 pp.

RUSSIAN, np, Krasnaya Zvezda, Moscow, 1 Apr 1972,  
p 2.

JPRS 55825

May 72



On the Coefficient Problem in the Theory of  
Univalent Functions, by I. A. Aleksandrov.  
RUSSIAN, Ser. Dokl. Ak. Nauk SSSR, Vol 188, no 2,  
1969, pp 266-268.

The Am Math Soc

Vol 10, No 5, Sept-Oct 1969

I. A. ALEXANDROV

Mar 70

403,984

30  
Bioelectrical Activity of the Human Brain under  
Conditions of Sleep-awake Transitions, by A. A. Aleksandrov,  
I. A. Aleksandrov, 6 pp.

2. 14. 1977. ~~1977-1978~~ ~~1978-1979~~ ~~1979-1980~~  
Moscow, no. 1, pp. 47-52.  
J. A. Aleksandrov

ed-  
at 6

167.177

*I. A. Aleksandrov*

An Extension of Golusin-Kufarev's Variational  
Method to Multiply-Connected Regions, by  
I. A. Aleksandrov, A. S. Serokin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 175,  
No 6, 1967, pp 1207-1210.  
Am Math Soc  
Vol 8, No 4, 1967

I. A. Aleksandrov

Nov 68

354,241

*I. A. Aleksandrov*

**Experimental Study on the Relative  
Specific Gravity of a Foamed Liquid Layer  
Upon Dual-Flow Trays, by I. A. Aleksandrov.  
RUSSIAN, per, Khimicheskaya Promyshlennost,  
1966, pp 529-530.  
NTC 72-10704-07.1**

**Apr 72**



operation of Tet's Under New System Analyzed, by  
I. P. Aleksandrov, N. N. Isakia, 9 pp.  
RUSSIAN, per. ~~energetik~~, Moscow, No 2, 1969.  
pp 5-8.  
JPRS 48073

Sed-energy Conv (non-prop)  
June 69

383.536

Theory of Nuclear Magnetic Resonance, by I. V.  
Aleksandrov  
RUSSIAN bk, 193 pp.  
NLL REF: 0678.23F

AD 663 931

*I. V. Aleksandrov*

July 69

<sup>3</sup>  
348, ~~371~~

383,371

50  
The Effect on the Human Organism of Active  
Parachute Jumping from an Aircraft, by  
Ivanov Aleksandrov,  
RUSSIAN, per, ~~Foreign-Med Journal~~, No 4,  
1965, pp 257-277.  
\*ACSI J-2488  
ID 8204020267

Sci-DM  
May 67

8



Computation of the Elastic Parameters of Rocks  
From Their Mineralogical Composition, by  
K. S. Aleksandrov. 27 pp.  
RUSSIAN, per, Izv. Akad. Nauk SSSR, Ser. Geol.,  
No 2, 1966, pp 3-19.  
NASA-TT-F-13446

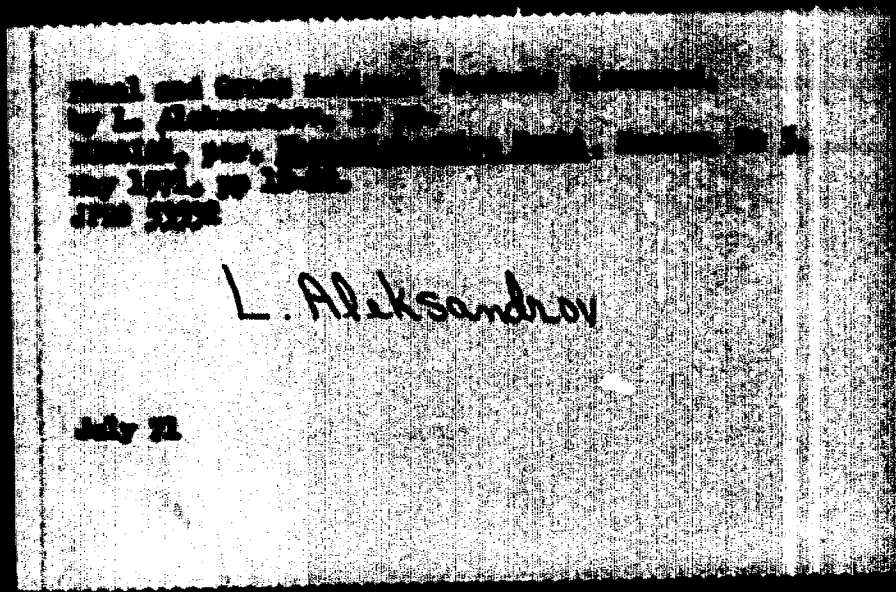
*K. S. Aleksandrov*

July 71

Modulus of Elasticity of Pyrite, by A. S. Aleksandrov,  
Moscow, per. Izv Akad Nauk SSSR, Steel Div.,  
No. 6, 1961, pp. 45-47.  
\*RADA-17-1-15,486

*A. S. Aleksandrov*

101/ ster  
101 70



74

The effects of a powerful Blast Wave on  
an Organism, by Prof. I.N. Aleksandrov and  
Prof. Ye. A. Dyskin, 8 pp.

RUSSIAN, per, Vestnik Khirurgii, No. 11,  
Leningrad, Meditsina Publishing House,  
Nov 67, pp. 88-94.  
JPRS 44,150

Sci-Bio. and Med. Sci.  
Jan 68

348,116

On the Problem of High-Temperature Relax-  
ation in Metals and Alloys, by  
L. N. Aleksandrov.  
RUSSIAN, per, Izv VUZ Fizika, Vol 9, No 5,  
1966, pp 33-40.  
FTD-S-364

Mar 69

375.416

57  
Robots serve as museum guides, by N. Aleksan-  
drov and L. Rayevskiy, 6 pp.  
RUSSIAN, per, Tekhnika molodezhi, No 6, 1967,  
pp 14-15.  
JPRS 42092

*M. Aleksandrov*  
Sci-Fic and Film Ingr  
Oct 67

303,492

Under Conditions of Active and Passive Jam-  
ming, by Lt. Col M. Aleksandrov, 6 pp.  
BULGARIAN, per, Azovskii Prospekt, No 4,  
Apr 1966, pp. 95-96.  
JPRS 36503

*M. Aleksandrov*

EE-Bulgaria

M11

Aug 66

37,133

2  
Metallurgical Plants of the Future, by M.  
Aleksandrov, 5 pp.  
RUSSIAN, np, Ekonomicheskaya Gazeta, No 1,  
6 January 1965, p 39.  
JPRS 29197

USSR  
Econ  
Mar 65

276,878



152  
Results of the Soviet Antarctic Expedition's work  
in the last ten years, by M. V. Aleksandrov, 8 pp.  
RUSSIAN, per. Izvestiya Issledovaniya Geografi-  
cheskogo ishchestva, Vol 98, No 6, 1966.  
Aug 61, 1966

Sci-disc  
Sep 66

M. V. Aleksandrov

363,125

Geographical Distribution of Agricultural  
Production, by N. Aleksandrov and A.  
Kazinsky. 8 pp.

RUSSIAN, per, Ekonomicheskaya Gazeta,  
No. 13, Moscow, March 68, pp. 28-29.  
IRRL 45,394

*N. Aleksandrov*

Oct/Agri.  
May 68

357,852

Comparative Study of the Localization of Typhoid  
and Dysentery Antigens During Subcutaneous and  
Aerosol Immunization, by N. I. Aleksandrov, et al.  
RUSSIAN, per, Zhurnal Mikrobiologii, Epidemiologii  
i Immunobiologii, No 3, 1968, pp 31-36.  
FTD HT Special 12-70

\* MT73 - 24-0101

*N. I. Aleksandrov*

feb 70

401,056

Immunogenicity of Chemical Anthrax Vaccine  
in Experiments on Sheep, by N. I. Aleksandrov,  
et al.

1961/62, per, Zhurn. Mikrobiologii

Ekologologii i Immunologii,

no 1, 1963, pp 57-60. 2690461

1961

*N. I. Aleksandrov*

sci-450

NOV 65

202,859

37

The Dielectric Strength of Impregnated Mica  
Paper and Glass-Mica Insulation, by  
N. V. Aleksandrov, S. G. Trubachov.  
RUSSIAN, per. Elektrotehnika, No 12, 1969,  
pp 47-50.  
ERA Trans. 2802

*Sci-Mech*  
Dec 70

12

Higher Pedagogical Education, by  
N.V. Aleksandrov, 13 pp.  
RUSSIAN, per, Sovetskaya Pedagogika,  
No. 11, Moscow, Nov 67, pp. 61-70.  
JPRS 44,540

USSR  
Education  
Feb 68

351,871

70  
Second All-Union Symposium on Social Hygiene  
and Public Health Organization, by  
O. Aleksandrov, M. Mirskiy, 16 pp.  
RUSSIAN, per, Meditsinskaya Gazeta, Moscow,  
18 Feb 1969, pp 1, 3.  
JPRS 48385

*1.11.69*

Sci-1211  
Jul 69

77.276

On the Fundamental Theorem in the Homology  
Theory of Dimension, by P. Aleksandrov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 180,  
No 3, 1968, pp 633-637.  
The Amer Math Soc  
Vol 9, No 3, 1968.

P. ALEKSANDROV

Sci/Math  
Oct 68

366,887



Combat Traditions of the Soviet Armed  
Forces, by P. Aleksandrov, 5 pp.  
RUSSIAN, np, Sovetskiy Patriot, 6 Feb 1966,  
pp. 2-3.  
JPRS 34644

UBER

M11

Apr 66

297,978

P. S. ALEKSANDROV

Introduction to Dimension Theory: General Dimension Theory and Introduction to the Theory of Topological Spaces, by P. S. Aleksandrov.

RUSSIAN, bk, Vvedenie v Teoriyu Razmernosti: Obshchaya Teoriya Razmernosti i Vvedenie v Teoriyu Topologicheskikh Prostranstv, 1973.

\*IPBT

Nov 72

Topology, by P. S. Alexandrov.  
RUSSIAN, 4, Vol 1, Part 6, 1963.  
Amer. Mat. Soc. LC No. 62-22016

Sci-Math  
June 66

303,306

Aleksandrov, S. M.

The Geochemistry of Endogenetic Boron. (Translation  
from Mono)

GEOKHIMIYA ENDOGENNOGO BORAZA, Moscow, 1968

HTC-72-14875-030

*Topical Information  
Library*

Feb 73

Meridional and Sublatitudinal Faults of the  
Lystoga Depression, Southern Sakhalin, by  
RUSSIAN, Dok Ak Nauk SSSR, Ser Sci.

Vol 189, No 3, 1969, pp 589-591.

AGI

*S. M. Alexandrov*

Jan 71

The (proof of an Injury in Elastic Muscle  
Fibers, by J. L. Rosenthal' and G. N. Aleksan-  
dov, 12 pp. 67

RUSSIAN, pamphlet, ~~neurophysiological~~ porrosh-  
denie v elasticheskikh myshetsnykh voloknakh,  
1955, pp. 105-117 and 127.

JPAS 3/4.7

S. N. Aleksandrov

USSR

Sci-B/58

et 60

312, 372

REDACTED V. V.

RU

AVIATION TECHNICAL REFERENCE MANUAL (OPERATION  
AND SERVICE)

AVIATIONNYYE Tekhnicheskyy Spravochnik (Ekspl  
uatatsiya i obsluzhivaniye)

1964, 1965, 1966, 1967, pp. 377-70.

1964, 1965, 1966, 1967

Development of Quota System for Computer Operations Urged, by V. Aleksandrov, 5 pp.  
RUSSIAN, per, Planovoye khozyaystvo, No. 6,  
June 1966, pp. 2-95. 7  
JPRS 3024

V. ALEKSANDROV

USSR  
Econ  
Jan 67

317,057



To Increase the Effectiveness of New Technology, by V. Aleksandrov and I. Masanov, 10 pp.

RUSSIAN, per, Ekspozitsiya Sovetskoy Ukrainy, No 2, 1966, pp. 26-31.

JPRS 36143

V. Aleksandrov

USSR  
Econ  
Jul 66

304,741

Aviation Technical Manual, by V. G. Aleksandrov.  
RUSSIAN, bk, Aviatsionnyy Tekhnicheskyy Spravochnik,  
1969, pp 1-497.

\*ACSI J-9732

\*TRC-HT-23-738-71

V. G. ALEKSANDROV

July 71

V.I. ALEXANDROV

Spectroscopic Properties and Structure  
of  $\text{Mg}^{2+}$  in  $\text{H}_2\text{O}$  and  $\text{MgO}$  Crystals

V. I. Alexandrov

RUSSIAN, Sov. Nat. Acad. Sci. Bull.

Vol 199, No 6, August 1971, pp. 122-124

Am Inst of Phys

Vol 16, No 2, February 1972

Mar 72

V. N. Aleksandrov

Oxidation of m-Xylene With Atmospheric Oxygen  
in an Acetic Acid Medium.

RUSSIAN, per, Khimicheskaya Promyshlennost,

No 4, 1968, pp 268-269

NTC 72-12501-07C

sept 72

65  
Toxic Agents, by V. N. Aleksandrov, 187 pp.  
RUSSIAN, bk. ~~Osobennosti i yezhivost~~  
Moscow, 1969, 191 pp.  
JPRS 48748

Sel-Chen  
Sept 69

321,742

V.N. Aleksandrov

33  
High-Speed Transistor-Transistor Logic Elements  
with Complex Inverters, by V. P. Aleksandrov,  
A. I. Fedosenyev, 18 pp.  
RUSSIAN, per. Investiya v nauku SSSR - Radio-  
elektronika, Kiev, Vol 12, No 7, 1969,  
pp 660-671.  
JPRS 50969

V P ALEKSANDROV

Sci-blast & blast engr  
Jul 70

Atmospheric Turbulence In and Near Cumu-  
lonimbus Clouds, by V. S. Aleksandrov,  
V. I. Silayeva.

RUSSIAN, per, Trudy Tsentral'naya Aero-  
logicheskaya Observatoriya, No 78,  
1967, pp 32-49.

AIR/APCRL/69-0170

*V. S. Aleksandrov*

Sci-Atmos Sci  
June 69

384,101

On the Bulgarian Problem of the Accumulation of  
Perturbations, by E. V. Aleksandrov.

RUSSIAN, per, Isk Ak Nauk SSSR, Vol 186, No 3,  
May 1969, pp 585-588.

The Am Inst of Phys

Vol 14, No 5, Nov 1969

*E. V. Aleksandrov*

Jan 69

398,921



98

Flow of radiating hydrogen in Axially Symmetrical  
Nozzles, by V. V. Aleksandrov.

RUSSIAN, per, Izv. Akad. Nauk SSSR, Zhid. Gaz.  
No 4, 1967, pp 19-28.

P911083368-V

AFC-ASL-Tr-597

Sci/Phys  
Apr 68

351,299

47  
Bulgakov's Problem of the Accumulation of Per-  
turbations, by V. V. Aleksandrov, 5 pp.  
RUSSIAN, per. Doklady Akademii Nauk SSSR, Moscow,  
vol 186, No 3, 1969, pp 526-530.  
JPRS 48587

V V ALEKSANDROV

Sci-Tyber  
Aug 69  
10

370.358

Adaptation of Cell and Molecule to Environment  
Studied, by V. Ia. Aleksandrov, 26 pp.  
RUSSIAN, per, Prirada, Mar 1968, pp 2-17.  
JPRS 45,946

42

*V. Ia. Aleksandrov*

Sci/Env  
Aug 68

362,628

The Problem of Autoregulation in Cytology. 37  
III. Relative Increase of Cellular Resistance  
to the Action of Injurious Agents  
(Adaptation), by V. M. Aleksandrov, 35 pp.  
RUSSIAN, per. Intelligencer, Vol VII. No 6,  
Jul/Aug 1965, pp 647-672.  
JPRS 32906

Sci - IV\*  
no 65

V. M. Aleksandrov

273, 772

Heuristics on the Path to Artificial  
Intellect, by Ye. A. Aleksandrov and A.S.  
Prolov, 5 pp.  
RUSSIAN, int. Prirada, No. 2, Moscow, 1968,  
pp. 76-78.  
JPRS 43,457 *Ye. A. Aleksandrov*

Sci-Bio, and Med. Sci.  
NY AC

358,620

Several Structural Methods for Increasing the  
Productivity of Digital Computers, by  
Ya. A. Aleksandrov, N. V. Smolotin. 9 pp.  
RUSSIAN, per, Sbornik Statisticheskoy i Elektronno-  
Vychislitel'noy Tekhniki v Elektronika, Vol 1,  
1966, pp 288-294.  
AIR/PTD/MT-24-79-70

Sci-Elec  
Dec 70

3  
Effectiveness of Capital Investments Described.  
by Yu. Aleksandrov, 6 pp.  
RUSSIAN, per. ~~romyashchikov~~ Armandi, Yerevan.  
No 7, 1969, pp 59-60.  
J 15 49426

USSR  
Econ  
Doc 69

37.785

5  
Armenian Institute Works on Development Planning,  
by Yu. Aleksandrov, 6 pp.  
RUSSIAN, per. ~~Pravoblast' Armenii~~, Yerevan,  
No 6, 1969. pp 69-72.  
JPRS 48909

*Yu. Aleksandrov*

USSR  
Koon  
Oct 69

392,679



79-10 (10/10/100)  
(BNL-47-484) FUNDAMENTAL ELECTROMAGNETIC  
PROPERTIES OF A NEUTRON: ELECTRIC CHARGE, ELECTRIC  
DIPOLE MOMENT, ELECTROMAGNETIC FORM FACTORS, PO-  
LARIZABILITY, NEUTRON-ELECTRON INTERACTION. Alek-  
sandrov, Yu. A. 10Translated by S. J. Amoretti (Brookhaven Na-  
tional Lab., Upton, N. Y.), from: 11Proid. Fiz. Elem. Chastits At.  
Yadra; 1: No. 2, 547-83 (1971). 204p. 24Dep. NTIS.

20Physics (particle); translations 20H

20MN-31 20P NNA